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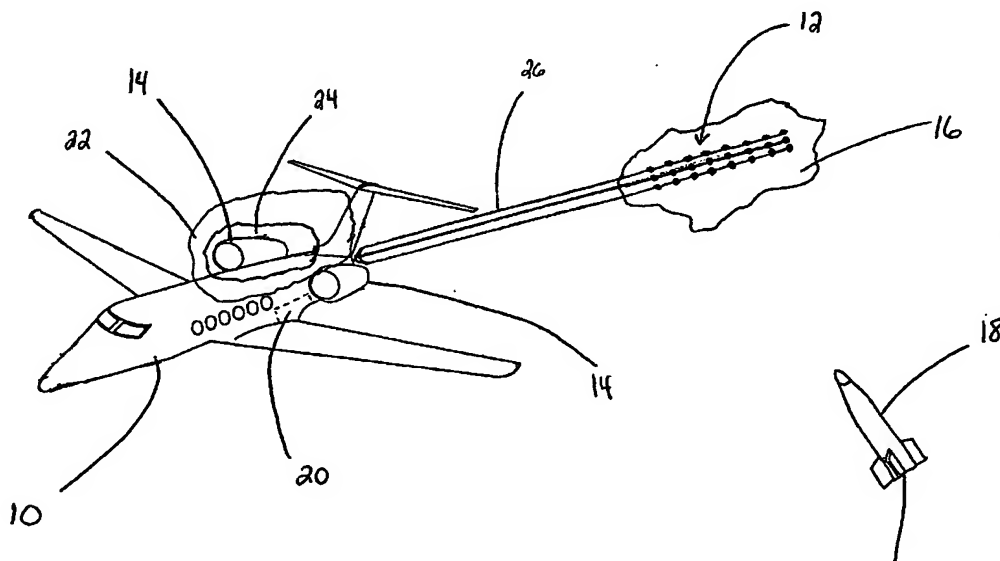
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(54) Title: **ANTI-MISSILE DEFENSE SUITE**



(57) Abstract: A system and method for an aircraft (10) that provides an IR decoy (12) for an incoming missile (18) to track instead of an engine (14) of the aircraft (10) is disclosed. The IR decoy (12) is deployed during or just after take off, and prior to landing to provide a signature (16) for any incoming missile (18). The IR decoy (12) provides a heat source (16) that has a higher radiant intensity than the hottest heat source on the aircraft (10), which is typically the engine (14), thereby providing a more attractive heat source for the missile (18). In another embodiment, a warning system (20) for an aircraft (10) detects an incoming missile (18), and deploys IR decoy (12) and creates an engine mask (22) by injecting an additive into the exhaust stream of the engine (14), thereby obscuring the radiation emanating from the engine (14).



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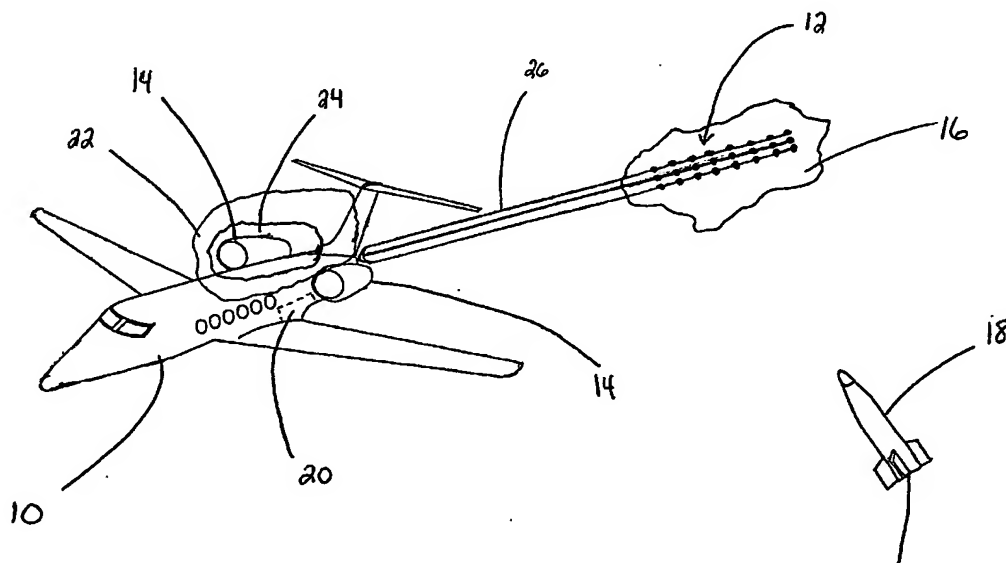
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